

GROUND WATER SURVEY CONSULTANCY

GEOLOGISTS, GEOPHYSICISTS & TUBEWELL ENGINEERS

GEO-PHYSICAL WELL ELECTROLOGGING REPORT

Ref No:-A-2043

Date:- 29-10-2023

NAME OF SITE

GRAM PANCHAYAT- Bhoojiet Nagariya - BLOCK- Dahagwan DISTT- Badaun

NAME OF AGENCY

M/s PNC-SPML-JV
Badaun



GROUND WATER SURVEY CONSULTANCY

Electric Well Logging, Geophysical Resistivity Survey, Ground Water Investigations.
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ISO 9001 : 2015

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REPORT ON GEOPHYSICAL WELL LOGGING

AT

GRAM PANCHAYAT- BHOOJET NAGARIYA, BLOCK- DAHAGAWAN,
DISTT- BADAUN

UNDER
JAL JIVAN MISSION

Introduction :

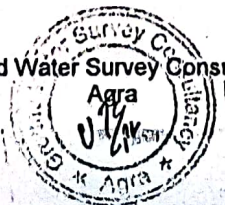
A Deep bore hole was drilled 140 mtrs. depth. and Logged depth 140 mtrs. at above site. Was drilled by M/S PNC-SPML-JV, Badaun.

On the request of M/S PNC-SPML-JV, Badaun. a Geophysical well Logging in the above bore hole using IGIS Well Logger on 29.Oct.2023.

Logging Para meters - Self potential, short normal (N-16), Long Normal (N-64), Lateral. Details of major aquifer formations explored from logging of bore hole combined with the study of Strata Chart prepared from drill cuttings are given in the following table:-

S.No.	Depth range(m)	Thickness(m)	Lithology	Expected Water Quality
1.	0 - 5	5	Surface soil	
2.	5 - 10	5	Fine sand	
3.	10 - 18	8	Clay kankar	
4.	18 - 30	12	Medium sand	Medium
5.	30 - 45	15	Clay kankar	
6.	45 - 56*	11	Medium sand	Medium
7.	56 - 66	10	Clay kankar	
8.	66 - 86*	20	Medium sand	Medium
9.	86 - 103	17	Clay kankar	
10.	103 - 115*	12	Medium sand	Medium
11.	115 - 132	17	Clay kankar	
12.	132 - 138*	6	Medium sand	Medium
13.	138 - 140	2	Clay kankar	

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Conclusions and Recommendations :-

1. The Lithology broadly tallies with that of drill cutting starta chart.
2. The zones marked with asterisk (*) appear to be aquifer zones for possible development of tube well.
3. The Quality of water is expected Medium.
4. It is recommended to have a chemical and bacteriological analysis of the water sample before using it for human consumption or for any other use.
5. All projections and recommendations are subject to the inherent limitations of the technique employed and there could be variations as the underground conditions are not always amenable to physical interpretations.

Geophysicist



Ground Water Survey Consultancy

Rho a
M16 (SN)
M44(LN)
LAT

Logging Details
Type of Geopack
Mag. & Loc. Program
Date & Time
UT/GMT Offset
28 Oct 2013
11:22
Uman G. J. J.

Logger ID No.
JGSS/DVZ1-Z

Logger Name
SP (m V)

Logger Owned by
GROUND WATER
SURVEY
CONSULTANCY
AGRA, UP, India

